

### **REMARKS**

Claims 1-3 and 56-80 are pending in this application, with claims 1, 56-59, 61, 65, 69, 73, and 77 being independent. Claims 1 and 69 have been amended and claims 56-59 have been withdrawn.

Regarding preliminary matters, applicant reminds the Examiner that applicant is still awaiting an initialed copy of the Form PTO-1449 that accompanied the IDS that was filed on October 3, 2003, and again requests the return of such an initialed copy with the Examiner's next official communication.

Claims 1-3 and 60-68 have been rejected as being unpatentable over Shi (U.S. Patent No. 6,130,001).

In view of the Examiner's response to applicant's prior arguments, independent claim 1 has been further amended to more explicitly recite that "a blocking compound capable of stopping the movement of holes or electrons" is a required component of the organic compound film. As noted in applicant's prior arguments, Shi does not describe or suggest an organic compound film that includes "a blocking compound capable of stopping the movement of holes or electrons," as recited in claim 1. Instead, Shi discloses an organic EL device that includes a cathode, an organic electroluminescent layer, and an anode, with these layers being laminated in sequence. The organic layer is composed of a continuous organic medium  $A_xB_y$ , where A and B are components capable of transporting electrons and holes, respectively. In the formula  $A_xB_y$ , x represents the content of the "A" component, with a value ranging from 0 (adjacent the anode) to 100% (adjacent the cathode). Further, y represents the content of the "B" component, with a value ranging from 0 (adjacent the cathode) to 100% (adjacent the anode). Shi nowhere indicates that the organic compound film may include a blocking compound such as is recited in claim 1. Accordingly, for at least this reason, applicant requests reconsideration and withdrawal of the rejection of claim 1 and its dependent claims.

With respect to independent claim 61 and its dependent claims, Shi does not describe or suggest an organic compound film that includes "a hole injecting compound that receives holes from the anode," "a hole transporting compound that has a hole mobility that is larger than its

electron mobility,” and “a region in which the two compounds are mixed,” as recited in claim 61. As indicated in the action, Shi's organic compound film includes a hole transporting material and an electron transporting material. Shi's electron transporting material cannot be said to correspond to the recited hole injecting compound. Accordingly, for at least this reason, applicant requests reconsideration and withdrawal of the rejection of claim 61 and its dependent claims.

Similarly to claim 61, independent claim 65 recites an organic compound film that includes “an electron transporting compound that has an electron mobility that is larger than its hole mobility,” “an electron injecting compound that receives electrodes from the cathode,” and “a region in which the two compounds are mixed,” as recited in claim 65. As noted above, Shi's organic compound film includes a hole transporting material and an electron transporting material. Shi's hole transporting material cannot be said to correspond to the recited electron injecting compound. Accordingly, for at least this reason, applicant requests reconsideration and withdrawal of the rejection of claim 65 and its dependent claims.

Claims 69-80 have been rejected as being anticipated by Shi.

Like claim 1, independent claim 69 recites “a blocking compound capable of stopping the movement of holes or electrons.” Accordingly, applicant requests reconsideration and withdrawal of the rejection of claim 69 and its dependent claims for the reasons discussed above with respect to claim 1.

Like claim 61, independent claim 73 recites an organic compound film that includes “a hole injecting compound that receives holes from the anode,” “a hole transporting compound that has a hole mobility that is larger than its electron mobility,” and “a region in which the two compounds are mixed.” Accordingly, applicant requests reconsideration and withdrawal of the rejection of claim 73 and its dependent claims for the reasons discussed above with respect to claim 61.

Like claim 65, independent claim 77 recites an organic compound film that includes “an electron transporting compound that has an electron mobility that is larger than its hole mobility,” “an electron injecting compound that receives electrodes from the cathode,” and “a

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region in which the two compounds are mixed.” Accordingly, applicant requests reconsideration and withdrawal of the rejection of claim 77 and its dependent claims for the reasons discussed above with respect to claim 65.

Applicant submits that all claims are in condition for allowance.

Enclosed is a check for \$1,220 (\$790 for the Request for Continued Examination fee and \$430 for the Petition for Extension of Time fee). Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

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John F. Hayden  
Reg. No. 37,640

Customer No. 26171  
Fish & Richardson P.C.  
1425 K Street, N.W., 11th Floor  
Washington, DC 20005-3500  
Telephone: (202) 783-5070  
Facsimile: (202) 783-2331